LOUISIANA TECHNOLOGY INNOVATION FUND
Revised 5/24/2000

I   **PROJECT TITLE –** State Trooper Mobile Office

II   **PROJECT LEADER**

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III   **EXECUTIVE SUMMARY**

Louisiana State Police (LSP) officers are equipped with a rugged laptop computer that provides wireless access to the various law enforcement systems needed by the trooper. The troopers are personally assigned the devices and also use them as administrative tools. Troopers are required to create and maintain and extensive number of documents and statistics. The trooper currently use word pad and manual forms to accomplish the administrative tasks. Additionally, the troopers are unable to take advantage of a number training programs that are presented using Microsoft Power Point without driving into the troop.

The Department of Public Safety would like to provide 650 Troopers with the necessary tools in their vehicles to conduct the administrative duties of their job.
The Department intends to provide Microsoft Office Suite as the office productivity software.

Microsoft suite includes:
- ?? Microsoft word
- ?? Microsoft Excel
- ?? Microsoft Power Point

The Department intends to provide each trooper with a low end bubble jet printer to make hard copies of correspondence, forms, etc.
Additionally, the Department intends to integrate a magnetic swipe device and associated software to allow the retrieval of driver and vehicle information from the central computer data bases without the need to key information into the laptop. This action will increase effiency and improve safety of the officer by reducing the time that his attention diverted from the activity of individuals involved in the traffic stop.
The Microsoft software costs $172,900. The printers and cables cost is $52,000. The cost of the magnetic stripe readers are $100,750. The cost of the "Easywriter" software to use with the magnetic stripe readers is $35750. The total request is $361400.
This software and hardware installation would be implemented immediately after by our IT staff and completed within 60 days.

IV   **DESCRIPTION OF THE PROJECT**

     A. Project Narrative (limit to 2 pages)

The goals of the project are to reduce the amount of time that a trooper spends performing administrative tasks, increase safety and to improve training opportunities for him. The anticipated outcomes include more time for patrolling and investigations, reduced travel time back and forth to the troop, more training, more accurate information, easier to retrieve data and more standardization of information. The less time that a trooper must spend in administrative tasks, directly increases the time in a shift available for active law enforcement. This has the effect of increasing the actual patrol time in a similar manner to adding troopers. The availability of training opportunities on the laptop again decreases time spent traveling for training and the additional training makes the trooper more effective.   The use of the magnetic swipe device increases productivity, improves accuracy of information and improves safety at a traffic stop by allowing the trooper to better focus on the situation and people involved.   There are 650 troopers who will utilize this capability and cover the entire State. The direct users of product are the troopers. The beneficiaries of the increased effectiveness are the members of the public both citizens and visitors. The partners are the Louisiana State Police and the Department of Public Safety Data Center.   The technologies employed will be Mobile Data Computers, Microsoft Office Suite, magnetic stripe readers and bubble jet printers. The users will extend the facilities available in the troop to the equivalent of a virtual office in their vehicles from an administrative tasks and training perspective.

B. Use of Innovative Technology (1 page, up to 300 words)

The Department of Public Safety intends to establish a complete office environment for the trooper in his vehicle. Our Current Mobile Data system is on the cutting edge of technology allowing Troopers to remotely run NCIC inquiries, have secure conversations, use a browser to access local copies of policies and submit wireless reports. The addition of Microsoft Office Suite and a printer adds functionality that one commonly associates with a fixed office environment and literally moves it out to where the "rubber meets the road".   The magnetic stripe reader rounds out the tools with a fast and accurate means of beginning the data retrieval process with a minimum of activity by the trooper. While most technology implementations for field law enforcement officers provide niche solutions, the Department intends to address the complete information processing needs of our officers.

C. Multi-agency Application or Portability to Other Agencies   (1 page, up to 300 words)

Information in the reports that Troopers are required to fill out are used my several different agencies, such as DOTD, DOC, local law enforcement agencies, FBI and other federal agencies. The reports are also public record and may be reviewed by any other agency as well as the public.

 LSP shares the Criminal Arrest information with the FBI and other law enforcement agencies to keep them abreast of criminals and their activities. DOTD uses information related to hazardous intersections and road conditions. Another example, the Troopers are required to fill out a Parish arrest form in each Parish that an arrest has been made. By the troopers having the software, these parishes will receive the forms faster and in electronic form if they are able to process them electronically.

D. Benchmarking Partners and/or Best Practice References (if applicable)   (1 page, up to 300 words)

Our officers use the Microsoft Office Suite at the troops with excellent results. We are confident that the benefits will be even greater with ready access to the tools in the vehicle. Our approach contrasts with other law enforcement implementations by provide a full set of custom applications, wireless connection and a full set of products for administrative, training and statistical collection, while other implementation are more limited in scope.

E. Long-range Planning   (Up to 100 words)

All users in the Department of Public Safety are being migrated to the Microsoft Office Suite as our standard office products.

F.   Performance Goal

Performance Indicator	Indicator Value fy1	Indicator Value fy2	Indicator Value fy3
% Admin task automated	50%	75%	95%

G.   Technical Approach   (Limit to 3 pages)

The Laptops involved are connected using an 800 MHz Statewide Radio/Data system. This system provides mobile communications to local, state, and federal agencies across the State of Louisiana. This Mobile Data system allows users to remotely access NCIC information, drivers license information, submit wireless reports, send out announcements, send and receive mail, and view other users' locations and activities through out the state. The troopers also remove the laptops and use them outside the vehicle as well.   With the office software, the trooper could make productive use of the equipment to train or do administrative tasks while waiting to testify in court or other similar activities.
The Department is committed to the Microsoft Office Suite as a standard which insures that using the products on the laptops has a seamless integration with the rest of the agency.
The Department intends to upgrade the office products in a three year cycle to keep in phase with the strategy for the remainder of the Department.
The magnetic stripe reader is a standard reader which uses the credit card format.

H. Implementation Approach

The Department will use the IT PC group in conjunction with the existing structure of trooper training officers who currently install hardware and software upgrades for the Mobile Data Computers. We expect the process to take 6 months.

I. Assessment of Risks

The software used is a mainstream product which is fully supported by the vendor. The Department has successfully used the training officer approach to disseminate software to the Mobile Data Computer users on numerous occasions. A small group of Trooper in the Motor Carrier Safety program has used the bubble jet printers for the last two years without significant problems. Magnetic stripe readers have been used for a number of years by private industry to read the magnetic stripe on the driver's license and is a proven technology.

J. Integration with Existing Technologies

The office products will provide the road trooper with the same tools as other employees at Public Safety. This will allow them to fully participate in the creation, manipulation and dissemination of electronic documents resulting in increased productivity for not only the trooper but the employees who receive and use the documents the troopers create.   The magnetic stripe readers will be used as fast and accurate input devices to initiate the retrieval of data from the central data bases through the wireless connection while the trooper attends to other matters dealing with the traffic stop.

K. Project Budget and Costs

EQUIPMENT			
Cost Summary:			
Item	Quantity	Unit Price	Total
Z12 Lexmark Printers	650	$60.00	$39,000.00
Bi-Directional Printer Cable	650	$20.00	$13,000.00
Magnetic stripe reader	650	$155.00	$100,750.00
		Total	$152,750.00

Software

SOFTWARE			
Microsoft Suite. One (1) Software license will be installed on each of the 650 Mobile Data laptops. The cost will be $172,900.00. at a unit cost of $266.00 each. .			
Cost Summary:			
Item	Quantity	Unit Price	Total
Microsoft Suite	**650**	**$266.00**	$172,900.00
Easywriter	**650**	**$55.00**	**$35,750.00**
Total			$208,650.00

Telecommunications

TELECOMMUNCIATIONS
None

Professional Services

PROFESSIONAL SERVICES
None
Cost Summary:

Other

OTHER COSTS
None

V FUNDING REQUESTED

Identify the total amount to be funded by the Louisiana Technology Innovation Fund. Identify and explain other sources, including agency matching funds, federal funds, or other funding, if available. Break down requested funding by category as defined above.

FUNDING REQUESTED

Funding Category	Total Cost	Other Sources	Funding Requested
Equipment	$152,750.00		$152,750.00
Software	$208,650.00		$208,650.00
Total	**$361,400**.00		**$361,400**.00

VI COST/BENEFIT ANALYSIS

No recurring cost over the next three years.

	Expenditure Increase (Decrease)		
STATE COSTS	**2001-02**	**2002-03**	**2003-04**
Personal Services	0	0	0
Operating Services	0	0	0
Professional Services	0	0	0
Other Charges	0	0	0
Equipment	0	0	0
Total State Exp.	0	0	0